AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-18. (canceled)

19. (Previously presented) An isolated nucleic acid molecule comprising a base sequence encoding a protein having the amino acid sequence set forth as SEQ ID NO: 1 and having ribonucleotide reductase activity.

20. (Previously presented) The isolated nucleic acid molecule according to claim 19, wherein the molecule is DNA.

21. (Previously presented) The isolated nucleic acid molecule according to claim 20, wherein the molecule comprises the base sequence set forth as SEQ ID NO: 2.

22. (Previously presented) The isolated nucleic acid molecule according to claim 20, wherein the molecule comprises the base sequence set forth as SEQ ID NO: 12.

23. (Previously presented) A recombinant vector comprising the nucleic acid molecule according to claim 19.

24. (Currently amended) A ~~transformant~~ transformed cell transformed by the recombinant vector according to claim 23.

25. (Currently amended) A method for producing a protein comprising the amino acid sequence set forth as SEQ ID NO: 1 and having ribonucleotide activity or a salt thereof, comprising:

culturing the ~~transformant~~ transformed cell according to claim 24 to produce and accumulate the protein or salt thereof, and

collecting the protein.

26. (Previously presented) A pharmaceutical composition comprising the nucleic acid according to claim 19 and a pharmaceutically acceptable carrier.

27. (New) An isolated nucleic acid molecule which is hybridizable under highly stringent conditions with the base sequence represented by SEQ ID NO: 2 or SEQ ID NO: 12.

28. (New) The isolated nucleic acid molecule according to claim 27, wherein the molecule is DNA.

29. (New) An isolated nucleic acid molecule comprising a base sequence having about 90% or greater homology with the base sequence represented by SEQ ID NO: 2.

30. (New) The isolated nucleic acid molecule of claim 29, wherein the isolated nucleic acid molecule comprises a base sequence having about 95% or greater homology with the base sequence represented by SEQ ID NO: 2.

31. (New) An isolated nucleic acid molecule comprising a base sequence having about 90% or greater homology with the base sequence represented by SEQ ID NO: 12.

32. (New) The isolated nucleic acid molecule of claim 31, wherein the isolated nucleic acid molecule comprises a base sequence having about 95% or greater homology with the base sequence represented by SEQ ID NO: 12.

33. (New) A recombinant vector comprising the nucleic acid molecule according to any one of claims 27-32.

34. (New) A transformed cell transformed by the recombinant vector according to claim 33.

34. (New) A pharmaceutical composition comprising the nucleic acid according to any one of claims 27-32 and a pharmaceutically acceptable carrier.